BRUHAT BANGALORE MAHANAGARA PALIKE, YELAHANKA ZONE

Executive Engineeer
Byatarayanapura Division
B.B.M.P., Bangalore - 92

DRAFT TENDER SCHEDULE

Issued to : **Original / Duplicate**

Name of the Work: Emergency Grants in ward 07, Byatarayanapura

Sl. No.	Quantity.	Description	Unit	Rates	
				In Figures	In Words
1	6.75	KSRB 2-2.1 : Earthwork excation by manual means for foundations of building, culverts,w ater supply and sanitary lines and elecrical conduits etc., either in pits or in depth including dressing the bottom and sides of pits and ternches, stacking the excavated soil clear form edges of excavation with lead upto 50m. (Including breaking of clods complete as per specifications No. KBS 1.1(a)/2.3.5 (Page no.5, item No. 2.2)	cum	204.12	Rupees Two Hundred Four and Twelve Paise Only
2	5.03	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @0.57 cum machine mixed, machine mixed concrete liad in layers not exceeding 15cms thick well compacted in foundation, including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page no.12, item No. 4.3)	cum	5256.36	Rupees Five Thousand Two Hundred Fifty Six and Thirty Six Paise Only
3	3.07	KSRB 4-1.6 : Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.53 cum, machine mixed, concrete laid in layers not exceeding 15cms, thick well compacted in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications (Page no. 12, item No. 4.6)	cum	5876.28	Rupees Five Thousand Eight Hundred Seventy Six and Twenty Eight Paise Only
4	1.45	KSRB 4.2.8 : Providing and laying in position reinfored cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metal coarse aggregates @ 0.69cum and fine aggregates @ 0.46cum, with superplastisiser @ 3 litrs confirming to IS9103-1999 Reaffirmed- 2008 machine mixed concrete laid in layers not exceeding 15cms thick vibrated for all works in ground floor level for roof slabs staircase lintels and beams retaining walls, return walls, wall (any thickness) including attached pilasters column pillars post struts butresses string or lacing courses, parapets coping bed blocks anchor blocks plain windows cills, fillets etc., including cost of reinforcement as per specifications (Page no. 14, Item No. 4.13)	cum	6650.64	Rupees Six Thousand Six Hundred Fifty and Sixty Four Paise Only
5	0.22	KSRB 4.9.2 : Providing T.M.T. steel reinforcement for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications TMT bars Fe 500 (Page no. 17, Item no. 4.46.2)	Tonne	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five and Fifty Six Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
6	27.99	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks having block density not less than 1800 kg/m3 having a minimum average compressive strength of 4.00 In/mm2 confirming to IS 2185 (Part 1) :2005 and constructed with CM 1:4, as per IS 2575:2005 including cost of all materails labour charges scaffolding curing hire charges of machineries etc., complte as pe specifications with solid concrete blocks of size 400x150x200mm (Page No. 25, item No. 5.26.2)	sqm	961.42	Rupees Nine Hundred Sixty One and Forty Two Paise Only
7	0.13	Providing Honne wood frames of doors windows, clerestory windows, ventilators and other frames wrought, framed of assembled including making plaster grooves (excluding cost of materials, labour, HOM of machineries complete as per specifications (Page No.51, Item No. 9.11)	cum	109026.30	Rupees One Hundred Nine Thousand Twenty Six and Thirty Paise Only
8	5.04	Providing and fixing flush door shutter made out of solid core black board type, well seasoned chemically treated haed wood battens and internal frame with minimum 45mm wide wooden frame all round door shutters covered with cross bonded wooden sheets (core veneer) hot pressed and fastened on both sides of the door using liquid phenol formaldehide resin as per IS specifications 2202 (Part-1) 1991.From Manufacturer(Factory) compler as per specifications (30mm thick both side commercial (Page 62, Item No. 9.106.3)	sqm	2147.56	Rupees Two Thousand One Hundred Forty Seven and Fifty Six Paise Only
9	1.58	SOLID PVC DOOR FRAME Providing & fixing made PVC Door frame of size 50x75mm with a wall thickness of 5mm made out of exruded 5mm rigid PVC foam sheet metere cut at corners & jointed 2 Nos. of 150mm long bracket of 15x15mm M.S. Square tube the entire door frame to be reinforced with 19x19mm M.S. Square tube of 19 guage. The Door frame to be fixed to the wall using M.S.Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge (Page 57, Item 9.84)	sqm	557.56	Rupees Five Hundred Fifty Seven and Fifty Six Paise Only
10	1.58	SOLID PVC DOOR SHUTTER Providing & fixing 30MM thick factory made rigid foam panelled Door shutters made from M.S. tube of 19 gugage thickness size 19x19mm for styles adn 15x15mm for top & bottom rails, covered with heat moulded PVC Channel of 5mm thick sheet and 30x50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm PVC sheet as gap insert for tip rail & bottom rail, panelling of 5mm thick PVC Sheet fitted with MS frame, sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos. of 75mm Aluminium hinges (Page 57, Item 9.83)	sqm	3384.58	Rupees Three Thousand Three Hundred Eighty Four and Fifty Eight Paise Only
11	71.63	Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications (Page No.114, Item No.15.18)	sqm	274.54	Rupees Two Hundred Seventy Four and Fifty Four Paise Only
12	30.60	Providing half nosing for 20mm thick granite slab requied machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specifications (page no. 109, Item No. 14.56)	M	167.48	Rupees One Hundred Sixty Seven and Forty Eight Paise Only
13	2.00	Providing and fixing white vitreous china clay, water closet Indian type (Squatting pan) of size 580mm with footrests 100mm S or P Trap (approved make) cutting and making good the wall and floor wherever required, including cost of materails, labour complete as per specifications (page 77, item No. 12.3)	Each	1355.74	Rupees One Thousand Three Hundred Fifty Five and Seventy Four Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
14	10.00	Providing and fixing 7.5cms to 15cms dia NP grating 100mm dia (page no.88, Item No. 12.111)	Each	169.60	Rupees One Hundred Sixty Nine and Sixty Paise Only
15	10.00	Providing and fixing C.I. Nahani trao of approved make conforming to ISI specificatins and constructin of Cistern in CC 1:2:4 as per directions (Rate is inclusive of cost of materials and fixture and conveyance of materials to work spot) 10cms to 7.5cms Page no. 88, item No. 12.113.1)	Each	265.00	Rupees Two Hundred Sixty Five Only
16	90.00	Providing and fixing chorinated poly venyl chloride (CPVC) pipes conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 20mm nominal OD Pipes (Page No. 96, Item No. 13.86.2)	M	159.00	Rupees One Hundred Fifty Nine Only
17	75.00	Providing and fixing chorinated poly venyl chloride (CPVC) pipes conforming to IS15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. this includes jointing of pipes and fittings with one step CPVC solvent cement and the cost of cutting chases & making good the same including testing of joints complete 25mm nominal OD Pipes (Page No. 96, Item No. 13.86.3)	M	320.65	Rupees Three Hundred Twenty and Sixty Five Paise Only
18	40.00	Providing and fixing on wall surface 4.0kg /Sq.cm H.D.P.E. rain down water pipes 110mm outer dia approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs screws, including cost of materials, labour, complete as per specifications (Page No. 47, item No. 8.19)	M	602.08	Rupees Six Hundred Two and Eight Paise Only
19	10.00	Providing NP/CP waste union conforming to ISI specifications and fixing them in position as per directions including cost of materials, fixtures and conveyance to work spot etc., complete 32mm dia (Page No. 95, Item No. 13.81.1)	Each	132.50	Rupees One Hundred Thirty Two and Fifty Paise Only
20	4.00	Construction brick masonry inspection chamber 600x600mm and 450mm depth (clear inside dimension) for single pipes line using table mouled non-modular bricks of class designation 50 in cement mortar 1:5 C.I. cover witth frame (light duty) 450x450mm (Page No. 73, Item No.11.50.1)	Each	9491.24	Rupees Nine Thousand Four Hundred Ninety One and Twenty Four Paise Only
21	296.81	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification and as per the directions of the Engineer-in-charge of the work (PAGE NO. 126, iTEM NO. 15.106)	sqm	59.36	Rupees Fifty Nine and Thirty Six Paise Only
22	634.69	Providing and applying painting two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after throughly brushing the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specificationswith primer.(Page No. 117, Item No. 15.51.2)	sqm	95.40	Rupees Ninety Five and Forty Paise Only
23	9.45	Applying priming coat over new wood surface and/ or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specificatios (Page No. 119, Item No. 15.59)	sqm	43.46	Rupees Forty Three and Forty Six Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
24	57.74	Providing and applying painting two coats (excluding priming coat) on new wood surface and/ or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications (Page No.119,item No.15.60.1)	sqm	89.04	Rupees Eighty Nine and Four Paise Only
25	312.23	Providing and finishing external walls in two coats over one coat of 100% acrylic silicon glazed primer with antifungal paint for top coat of approved brand and shade to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour complete as per specifications (page no. 125, item No. 15.104)	sqm	160.06	Rupees One Hundred Sixty and Six Paise Only
26	13.50	Providin and installing of pre painted Galvolume Iron Trapezoidal profiled sheet of approved make 1060 mm width (1000mm cover width) 28-30mm crest height with crest distance 200mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47mm +/- 0.02mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25mm length to be fixed over the existing purlins, rafters channels, and trusses (page no. 300, Item No. 38.30)	sqm	831.60	Rupees Eight Hundred Thirty One and Sixty Paise Only
27	150.30	Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc., consisting of following application. (a) Applying and grouting a slurry cat of neat cement using 2.75 kg/sqm of cement admixed with proprietary water proofing compound conforming to IS: 2645 over the RCC slab after cleaning the surface before treatment. (b) Laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5, admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement mortar 1:5, admixed with proprietary water proofing compound to required slope and treatment similarly the adjoining walls up to 300mm height including rounding off junctions of walls and slabs. (c) After two days of proper curing, applying a second coat of cement slurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick joint less cement mortar of mix 1:4 admixed or teak wood gatties including cutting masonry or concrete and making good the original surface using cement	sqm	976.32	Rupees Nine Hundred Seventy Six and Thirty Two Paise Only
28	2.00	Providing and fixing white vitreous china clay, water closer Europeon type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P. brass hinges , rubber buffers, 10 litres low level P.V.C. flushing cistern (all are approved make) with fittings, C.I./ M.S. arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications (Page No. 77, item No. 12.5)	Each	5540.40	Rupees Five Thousand Five Hundred Forty and Forty Paise Only
29	3.00	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a pair of 15mm C.P. brass pillar taps with C.I/M.S brackets, 32mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the walls and floor wherever required , including cost of materials, labour complete as per specifications (Page No. 80, item no, 12.23)	Each	4196.88	Rupees Four Thousand One Hundred Ninety Six and Eighty Eight Paise Only
30	3.00	Providing and fixing 1500x450mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick broad bakcing including cost of materials, labour complete as per specifications(page No. 83, item No. 12.43)	Each	1833.84	Rupees One Thousand Eight Hundred Thirty Three and Eighty Four Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
31	135.00	Providing and fixing Chorinated poly venyle chloride(CPVC) pipes coforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass thereaded fittings including fixing the pipe with clamps at 1.00 mtr spacing. This includes jointing of pipes and fitting with one step CPVC solvent cement and testing of joints complete (internal work exposed on wall) 20mm nominla OD pipes (Page No. 96, item No. 13.85.2)	M	145.80	Rupees One Hundred Forty Five and Eighty Paise Only
32	25.92	**B. Balance Work of Bangalore One Building** KSRB 2-2.1 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, **in ordinary soil** not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 **Page No. 5 / Item No. 2.3 of PWD SR 2016-17**	cum	204.12	Rupees Two Hundred Four and Twelve Paise Only
33	17.97	KSRB 4-1.3 : Providing and laying in position **plain cement concrete of mix 1:4:8** with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, **in foundation**, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2. **Page No.12, Item No. 4.3 of PWD SR 2016-17**	cum	5256.36	Rupees Five Thousand Two Hundred Fifty Six and Thirty Six Paise Only
34	6.48	KSRB 5.2-3 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6, stone** hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.6, PWD SR 2016-17**	cum	4521.96	Rupees Four Thousand Five Hundred Twenty One and Ninety Six Paise Only
35	4.86	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement with cement mortar 1:6**, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **Page No. 23 / Item No. 5.9, PWD SR 2016-17**	cum	5405.40	Rupees Five Thousand Four Hundred Five and Forty Paise Only
36	21.60	KSRB 15.1.2 Providing flush pointing to square rubble, course or uncoursed stone masonry with cement mortar 1:4, 20mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications **Page No. 113 / Item No. 15.2, PWD SR 2016-17**	sqm	102.60	Rupees One Hundred Two and Sixty Paise Only
37	28.03	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 12, Item No. 4.11, PWD SR 2016-17**	cum	6491.88	Rupees Six Thousand Four Hundred Ninety One and Eighty Eight Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
38	3.36	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five and Fifty Six Paise Only
39	40.08	KSRB 4-6.2 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons **for heights more than 3.50m from ground level. *- 0 to 5 mtrs.*** Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.29, PWD SR 2016-17**	sqm	594.00	Rupees Five Hundred Ninety Four Only
40	45.68	KSRRB M800-20.Tubular Steel Railing on Medium Weight Steel Channel (ISMC Series) 100 mm x 50mm:-Providing, fixing and erecting 50 mm dia steel pipe railing in 3 rows duly painted on medium weight steel channels (ISMC series) 100 mm x 50 mm, 1.2 metres high above ground, 2 m centre to centre, complete as per approved drawings as per specifications. MORTH Specification No. 808 **Page No. 186 / Item no. 24.24, PWD SR 2016-17**	M	1548.72	Rupees One Thousand Five Hundred Forty Eight and Seventy Two Paise Only
41	24.62	**C. First Floor Bangalore One Building** KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of Design mix M20** with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc.,** including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 12, Item No. 4.11, PWD SR 2016-17**	cum	6491.88	Rupees Six Thousand Four Hundred Ninety One and Eighty Eight Paise Only
42	6.38	KSRB 4.2.10 : Providing and laying in position **reinforced cement concrete of design mix M20** with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for **plain chajja of 7.5 cms.** average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6 **page No. 13, Item No. 4.19, PWD SR 2016-17**	sqm	492.48	Rupees Four Hundred Ninety Two and Forty Eight Paise Only
43	3.00	KSRB 4.9.2 : Providing **T.M.T steel reinforcement for R.C.C work** including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **- TMT bars Fe 500 Page No. 17 / Item No. 4.46.2, PWD SR 2016-17**	Tonne	65455.56	Rupees Sixty Five Thousand Four Hundred Fifty Five and Fifty Six Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
44	64.80	KSRB 4-6.5 : Providing and removing **centering, shuttering, strutting, propping** etc., for **columns, pillars, post and struts**, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **Page No. 16 / Item No. 4.32, PWD SR 2016-17**	sqm	395.28	Rupees Three Hundred Ninety Five and Twenty Eight Paise Only
45	174.54	KSRB 4-6.2 : Providing and removing **centering, shuttering, strutting, propping** etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons **for heights more than 3.50m from ground level. *- 0 to 5 mtrs.*** Specification No. KBS 4.6.2 **Page No. 15 / Item No. 4.29, PWD SR 2016-17**	sqm	594.00	Rupees Five Hundred Ninety Four Only
46	147.68	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400x150x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 4.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications. KBS No.5.4 **Page No. 25 / Item No. 5.26.2, PWD SR 2016-17**	sqm	979.56	Rupees Nine Hundred Seventy Nine and Fifty Six Paise Only
47	0.14	KSRB 9.4-2 : Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. Specification No. KBS 9.33 **(P. No. 51/ I. No. 9.11 of PWD SR 2016-17)**	cum	111083.40	Rupees One Hundred Eleven Thousand Eighty Three and Forty Paise Only
48	2.52	KSRB 9.5-2 : Providing and fixing in position fully panelled Honne wood shutters for doors, styles and **rails of 40mm**. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34 **Page No. 50, Item No. 9.15, PWD SR 2016-17**	sqm	5014.44	Rupees Five Thousand Fourteen and Forty Four Paise Only
49	1.58	KSRB 9-14-3 : Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade plain particle board including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, 9.26.3	sqm	3625.56	Rupees Three Thousand Six Hundred Twenty Five and Fifty Six Paise Only
50	164.64	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. Specification No. KBS 7.12. **(P.No. 32, I.No. 7.9 of PWD SR 2016-17)**	Kgs	84.24	Rupees Eighty Four and Twenty Four Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
51	7.74	KSRB 7.12 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm. for bottom section 1.1mm thick, weight 1.205 kg/m; sides and top sections 1.2 mm. thick weight 1.093 kg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417 kg./m, shutter sideouter 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. weight 0.469 kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles, tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading including cutting to required length, joints mitred subdividing the frame, tenonned and rivetted in the assembled frame to be stiffened with end clips at corners, angles etc.; fixed to the walls, lintels, floor beams;cills, as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar; aluminium sections pretreated for removal of any rust and coated with greasy materials for non adhesion of mortar and other sticky	sqm	4104.00	Rupees Four Thousand One Hundred Four Only
52	105.83	KSRB15-3.12 :Providing 18mm thick cement plaster in single coat with cement mortar 1:3, to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17 (Inside Plastering)**	sqm	224.64	Rupees Two Hundred Twenty Four and Sixty Four Paise Only
53	11.36	KSRB15-3-13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to **ceiling** including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114, Item No. 15.21 of PWD SR 2016-17**	sqm	208.44	Rupees Two Hundred Eight and Forty Four Paise Only
54	117.19	KSRB15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **Page No. 115, Item No. 15.33, PWD SR 2016-17**	sqm	27.00	Rupees Twenty Seven Only
55	223.49	KSRB15-3.9 :Providing 20mm thick cement plaster in single coat with cement mortar 1:3, to Stone Masonry & Concrete surface including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 114 / Item No. 15.17, PWD SR 2016-17 (Outside Wall)**	sqm	213.84	Rupees Two Hundred Thirteen and Eighty Four Paise Only
56	55.90	Providing vitrified tiles 60 x 60cms of approved make, shade and size for flooring laid on a bed of 12mm thick cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing complete as per specification. etc., complete **Page No. 107, Item No. 14.45, PWD SR 2016-17**	sqm	1200.96	Rupees One Thousand Two Hundred and Ninety Six Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
57	62.24	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification	sqm	4209.84	Rupees Four Thousand Two Hundred Nine and Eighty Four Paise Only
58	6.00	KSRB 8.6-7 : Providing and fixing on wall surface 4.0 kg / sq.cm H.D.P.E. rain down water pipes 90 mm outer dia. approved make and brand with necessary specials like shoes, bends and offsets fixed with iron clamps, wall plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 47 / Item No. 8.18, PWD SR 2016-17**	M	462.24	Rupees Four Hundred Sixty Two and Twenty Four Paise Only
59	1.00	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 **Page No. 77 / Item No. 12.5, PWD SR 2016-17**	Each	5540.40	Rupees Five Thousand Five Hundred Forty and Forty Paise Only
60	1.00	KSRB 11-11.2 : Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. (**P.No. 81, I.No. 12.24 of PWD SR 2016-17**)	Unit	3247.56	Rupees Three Thousand Two Hundred Forty Seven and Fifty Six Paise Only
61	3.40	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. - for Ceramic Tiles of size 30x30cms 6mm thick. **Page No.106, Item No. 14.36.2, PWD SR 2016-17**	Unit	1270.08	Rupees One Thousand Two Hundred Seventy and Eight Paise Only
62	15.54	KSRB 14-17.2 : Providing skirting, dado, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 - Colour glazed tiles 15x15 cms 6mm thick **Page No.106, Item No. 14.41.1 PWD SR 2016-17**	sqm	1157.76	Rupees One Thousand One Hundred Fifty Seven and Seventy Six Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
63	4.00	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). **- 12.5cms x 7.5cms Page No. 88, Item No. 12.113.2, PWD SR 2016-17**	Each	307.80	Rupees Three Hundred Seven and Eighty Paise Only
64	50.00	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.) - 20mm nominal OD pipes. (**P.No.96, I.No. 13.86.2 of PWD SR 2016-17**)	m	226.80	Rupees Two Hundred Twenty Six and Eighty Paise Only
65	2.00	KSRB13-6.2-2 : Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.2 / 13.3 **Page No. 91, Item No. 13.27, PWD SR 2016-17**	Each	172.80	Rupees One Hundred Seventy Two and Eighty Paise Only
66	3.00	KSRB13-6.3-3 : Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 25mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification No.KBS 13.2.6 / 13.3. (**P.No.91/ I.No. 13.34 of CSR 2016-17**)	Each	648.00	Rupees Six Hundred Forty Eight Only
67	30.00	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, HOM of acquirements and testing complete as per specifications. **- 110mm dia Page No. 88, Item No. 12.116.1, PWD SR 2016-17**	m	444.96	Rupees Four Hundred Forty Four and Ninety Six Paise Only
68	83.76	Providing applying two coats of **wall putty** to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification. **(P.No. 125, I.No. 15.106 of SR 2016-17).**	sqm	60.48	Rupees Sixty and Forty Eight Paise Only
69	189.26	KSRB 15-15.1 : Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer. (**P. No. 116, I.No. 15.51.2 of SR 2016-17**).	sqm	97.20	Rupees Ninety Seven and Twenty Paise Only
70	222.64	Providing and finishing external walls in two coats over one coat of primer with antifungal paint of approved brand and shade to give an even shade after thoroughly brooming the surface to remove all dirt and loose powdered material, free from mortar drops and other foreign matter cost of materials, labour, complete as per specifications. (**P.No. 124, I.No. 15.104 of CSR 2016-17**).	sqm	163.08	Rupees One Hundred Sixty Three and Eight Paise Only
71	17.01	KSRB 15-17.5 : Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications. **(P.No. 118, I.No. 15.59 of SR 2015-16).**	sqm	44.28	Rupees Forty Four and Twenty Eight Paise Only

	Quantity.	Description	Unit	Rates	
				In Figures	In Words
72	17.01	KSRB 15-17.6 : Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials, labour, complete as per specifications. **(P.No. 118, I.No. 15.60.1 of SR 2016-17).**	sqm	90.72	Rupees Ninety and Seventy Two Paise Only

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Note:

1 Item for which no rate or price has been entered in will not be paid for by the Employer when executed and shall be deemed covered by the other rates and prices in the Bill of quantities (refer: ITB Clause 7.2 and CC Clause 33.2)

2 Unit rates and prices shall be quoted by the Tender in Indian rupees.

3 Where there is a discrepancy between the rate in figures and words the rates in words will govern (ITB Clause 19.1(a)

4 Where there is a discrepancy between the unit rate and the line item total resulting from multyplying the unit rate by quantity the unit rate quoted shall govern (ITB Clause 19.1(b))

"DTS APPROVED"

ಮುಖ್ಯ ಅಭಿಯಂತರರು
ಯಲಹಂಕ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ.